

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number:

101593,810

Source:

EFW

Date Processed by STIC:

9/29/06

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IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/593,810

DATE: 09/29/2006
TIME: 10:55:44

Input Set : A:\X16397 National.ST25.txt
Output Set: N:\CRF4\09292006\J593810.raw

3 <110> APPLICANT: Han, Bomie
 4 Kristine , Kikly Kay
 5 Smith , Rosamund Carol
 6 Tobias, Linda O.
 8 <120> TITLE OF INVENTION: Anti-Myostatin Antibodies
 10 <130> FILE REFERENCE: X-16397
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/593,810
 C--> 13 <141> CURRENT FILING DATE: 2006-09-21
 15 <150> PRIOR APPLICATION NUMBER: US60/559,621
 16 <151> PRIOR FILING DATE: 2004-04-05
 18 <150> PRIOR APPLICATION NUMBER: US60/555,456
 19 <151> PRIOR FILING DATE: 2004-03-24
 21 <160> NUMBER OF SEQ ID NOS: 56
 23 <170> SOFTWARE: PatentIn version 3.3
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 375
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Homo sapiens
 30 <400> SEQUENCE: 1
 32 Met Gln Lys Leu Gln Leu Cys Val Tyr Ile Tyr Leu Phe Met Leu Ile
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 36 Val Ala Gly Pro Val Asp Leu Asn Glu Asn Ser Glu Gln Lys Glu Asn
 37 20 25 30
 40 Val Glu Lys Glu Gly Leu Cys Asn Ala Cys Thr Trp Arg Gln Asn Thr
 41 35 40 45
 44 Lys Ser Ser Arg Ile Glu Ala Ile Lys Ile Gln Ile Leu Ser Lys Leu
 45 50 55 60
 48 Arg Leu Glu Thr Ala Pro Asn Ile Ser Lys Asp Val Ile Arg Gln Leu
 49 65 70 75 80
 52 Leu Pro Lys Ala Pro Pro Leu Arg Glu Leu Ile Asp Gln Tyr Asp Val
 53 85 90 95
 56 Gln Arg Asp Asp Ser Ser Asp Gly Ser Leu Glu Asp Asp Asp Tyr His
 57 100 105 110
 60 Ala Thr Thr Glu Thr Ile Ile Thr Met Pro Thr Glu Ser Asp Phe Leu
 61 115 120 125
 64 Met Gln Val Asp Gly Lys Pro Lys Cys Cys Phe Phe Lys Phe Ser Ser
 65 130 135 140
 68 Lys Ile Gln Tyr Asn Lys Val Val Lys Ala Gln Leu Trp Ile Tyr Leu
 69 145 150 155 160
 72 Arg Pro Val Glu Thr Pro Thr Thr Val Phe Val Gln Ile Leu Arg Leu
 73 165 170 175
 76 Ile Lys Pro Met Lys Asp Gly Thr Arg Tyr Thr Gly Ile Arg Ser Leu
 77 180 185 190

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Input Set : A:\X16397 National.ST25.txt
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80 Lys Leu Asp Met Asn Pro Gly Thr Gly Ile Trp Gln Ser Ile Asp Val
 81 195 200 205
 84 Lys Thr Val Leu Gln Asn Trp Leu Lys Gln Pro Glu Ser Asn Leu Gly
 85 210 215 220
 88 Ile Glu Ile Lys Ala Leu Asp Glu Asn Gly His Asp Leu Ala Val Thr
 89 225 230 235 240
 92 Phe Pro Gly Pro Gly Glu Asp Gly Leu Asn Pro Phe Leu Glu Val Lys
 93 245 250 255
 96 Val Thr Asp Thr Pro Lys Arg Ser Arg Arg Asp Phe Gly Leu Asp Cys
 97 260 265 270
 100 Asp Glu His Ser Thr Glu Ser Arg Cys Cys Arg Tyr Pro Leu Thr Val
 101 275 280 285
 104 Asp Phe Glu Ala Phe Gly Trp Asp Trp Ile Ile Ala Pro Lys Arg Tyr
 105 290 295 300
 108 Lys Ala Asn Tyr Cys Ser Gly Glu Cys Glu Phe Val Phe Leu Gln Lys
 109 305 310 315 320
 112 Tyr Pro His Thr His Leu Val His Gln Ala Asn Pro Arg Gly Ser Ala
 113 325 330 335
 116 Gly Pro Cys Cys Thr Pro Thr Lys Met Ser Pro Ile Asn Met Leu Tyr
 117 340 345 350
 120 Phe Asn Gly Lys Glu Gln Ile Ile Tyr Gly Lys Ile Pro Ala Met Val
 121 355 360 365
 124 Val Asp Arg Cys Gly Cys Ser
 125 370 375
 128 <210> SEQ ID NO: 2
 129 <211> LENGTH: 109
 130 <212> TYPE: PRT
 131 <213> ORGANISM: Homo sapiens
 133 <400> SEQUENCE: 2
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 136 1 5 10 15
 139 Arg Tyr Pro Leu Thr Val Asp Phe Glu Ala Phe Gly Trp Asp Trp Ile
 140 20 25 30
 143 Ile Ala Pro Lys Arg Tyr Lys Ala Asn Tyr Cys Ser Gly Glu Cys Glu
 144 35 40 45
 147 Phe Val Phe Leu Gln Lys Tyr Pro His Thr His Leu Val His Gln Ala
 148 50 55 60
 151 Asn Pro Arg Gly Ser Ala Gly Pro Cys Cys Thr Pro Thr Lys Met Ser
 152 65 70 75 80
 155 Pro Ile Asn Met Leu Tyr Phe Asn Gly Lys Glu Gln Ile Ile Tyr Gly
 156 85 90 95
 159 Lys Ile Pro Ala Met Val Val Asp Arg Cys Gly Cys Ser
 160 100 105
 163 <210> SEQ ID NO: 3
 164 <211> LENGTH: 109
 165 <212> TYPE: PRT
 166 <213> ORGANISM: Mus sp.
 168 <400> SEQUENCE: 3
 170 Gln Ile Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly

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171 1      5          10          15
174 Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Ile Ser Tyr Met
175           20         25          30
178 His Trp Tyr Gln Gln Lys Pro Gly Thr Ser Pro Lys Arg Trp Ile Tyr
179           35         40          45
182 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
183           50         55          60
186 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
187 65           70         75          80
190 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Tyr Ser Asn Pro Leu Thr
191           85         90          95
194 Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Asp
195           100        105
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199 <211> LENGTH: 109
200 <212> TYPE: PRT
201 <213> ORGANISM: Mus sp.
203 <400> SEQUENCE: 4
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206 1           5          10          15
209 Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val His Tyr Met
210           20         25          30
213 His Trp Tyr Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile Tyr
214           35         40          45
217 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
218           50         55          60
221 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
222 65           70         75          80
225 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Ser Asn Pro Leu Thr
226           85         90          95
229 Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Asp
230           100        105
233 <210> SEQ ID NO: 5
234 <211> LENGTH: 109
235 <212> TYPE: PRT
236 <213> ORGANISM: Mus sp.
238 <400> SEQUENCE: 5
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244 Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met
245           20         25          30
248 His Trp Tyr Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile Tyr
249           35         40          45
252 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
253           50         55          60
256 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
257 65           70         75          80
260 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Ser Asn Pro Leu Thr
261           85         90          95

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Input Set : A:\X16397 National.ST25.txt
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264 Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Asp
265 100 105
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269 <211> LENGTH: 109
270 <212> TYPE: PRT
271 <213> ORGANISM: Mus sp.
273 <400> SEQUENCE: 6
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276 1 5 10 15
279 Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met
280 20 25 30
283 His Trp Tyr Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile Tyr
284 35 40 45
287 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Val Arg Phe Ser Gly Ser
288 50 55 60
291 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
292 65 70 75 80
295 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Arg Asn Pro Leu Thr
296 85 90 95
299 Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Asp
300 100 105
303 <210> SEQ ID NO: 7
304 <211> LENGTH: 109
305 <212> TYPE: PRT
306 <213> ORGANISM: Mus sp.
308 <400> SEQUENCE: 7
310 Gln Val Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly
311 1 5 10 15
314 Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Ile Ser Tyr Met
315 20 25 30
318 His Trp Tyr Gln Gln Lys Pro Gly Thr Ser Pro Lys Arg Trp Ile Tyr
319 35 40 45
322 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
323 50 55 60
326 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
327 65 70 75 80
330 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Tyr Ser Asn Pro Leu Thr
331 85 90 95
334 Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Asp
335 100 105
338 <210> SEQ ID NO: 8
339 <211> LENGTH: 109
340 <212> TYPE: PRT
341 <213> ORGANISM: Mus sp.
343 <400> SEQUENCE: 8
345 Gln Ile Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly
346 1 5 10 15
349 Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Ile Ser Tyr Met
350 20 25 30

RAW SEQUENCE LISTING DATE: 09/29/2006
 PATENT APPLICATION: US/10/593,810 TIME: 10:55:44

Input Set : A:\X16397 National.ST25.txt
 Output Set: N:\CRF4\09292006\J593810.raw

353 His Trp Tyr Gln Gln Lys Pro Gly Thr Ser Pro Lys Arg Trp Ile Tyr
 354 35 40 45
 357 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
 358 50 55 60
 361 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
 362 65 70 75 80
 365 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Asn Ser Asn Pro Leu Thr
 366 85 90 95
 369 Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Asp
 370 100 105
 373 <210> SEQ ID NO: 9
 374 <211> LENGTH: 109
 375 <212> TYPE: PRT
 376 <213> ORGANISM: Mus sp.
 378 <400> SEQUENCE: 9
 380 Gln Val Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly
 381 1 5 10 15
 384 Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val Tyr Tyr Met
 385 20 25 30
 388 His Trp Tyr Gln Gln Arg Ser Gly Ala Ser Pro Lys Arg Trp Ile Tyr
 389 35 40 45
 392 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
 393 50 55 60
 396 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
 397 65 70 75 80
 400 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Thr Tyr Asn Pro Leu Thr
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 405 100 105
 408 <210> SEQ ID NO: 10
 409 <211> LENGTH: 109
 410 <212> TYPE: PRT
 411 <213> ORGANISM: Mus sp.
 413 <400> SEQUENCE: 10
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 416 1 5 10 15
 419 Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met
 420 20 25 30
 423 His Trp Tyr Gln Gln Lys Pro Gly Thr Ser Pro Lys Arg Trp Ile Tyr
 424 35 40 45
 427 Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
 428 50 55 60
 431 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
 432 65 70 75 80
 435 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Tyr Ser Asn Pro Leu Thr
 436 85 90 95
 439 Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Asp
 440 100 105
 443 <210> SEQ ID NO: 11

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/29/2006
PATENT APPLICATION: US/10/593,810 TIME: 10:55:45

Input Set : A:\X16397 National.ST25.txt
Output Set: N:\CRF4\09292006\J593810.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:38; Xaa Pos. 6,7
Seq#:39; Xaa Pos. 1,2,11,46,49,50,52,62,89,91,100
Seq#:41; Xaa Pos. 8,15,16
Seq#:42; Xaa Pos. 2,7
Seq#:55; Xaa Pos. 5,6,7,9,10
Seq#:56; Xaa Pos. 4,5

VERIFICATION SUMMARY**PATENT APPLICATION:** US/10/593,810**DATE:** 09/29/2006**TIME:** 10:55:45**Input Set :** A:\X16397 National.ST25.txt
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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:1017 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
M:341 Repeated in SeqNo=39
L:1103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:1125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:1320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0
L:1342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0